

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

Claims 1-5. (Canceled)

6. (Currently Amended) An image forming apparatus, comprising:
a receiving unit for receiving an individual print job comprising image data ~~based on~~ that includes multiple document images of various sizes;
a detecting unit for detecting a maximum size of said document images;
a selecting unit for selecting ~~papers with a~~ paper size that is equal to or larger than the detected maximum size; and
a forming unit for forming all of said multiple document images of said individual print job on papers of the selected paper size ~~papers, respectively~~.

7. (Currently Amended) An image forming apparatus, comprising:
a receiving unit for receiving an individual print job comprising image data ~~based on~~ that includes multiple document images of various sizes;
a detecting unit for detecting a maximum size of said document images;
a calculating unit for calculating a scaling factor that causes the detected maximum size to match with ~~[[the]]~~ a size of a print area;

a processing unit for scaling up or down the sizes of all of the multiple document images of said individual print job by the calculated scaling factor; and

a forming unit for forming images based on the processed image data on the print area.

8. (Previously Presented) An image forming apparatus of claim 7, wherein the print area is the entire area of a sheet of paper.

9. (Previously Presented) An image forming apparatus of claim 7, wherein the print area is an area obtained by dividing the entire area of a sheet of paper into equal parts.

10. (Currently Amended) An image processing method, comprising:
receiving an individual print job comprising image data ~~based on that~~ includes multiple document images of various sizes;
detecting a maximum size of said document images;
calculating a scaling factor that causes the detected maximum size to match with ~~[[the]]~~ a size of a print area; and
scaling up or down the sizes of all of the multiple document images of said individual print job by the calculated scaling factor.

11. (Currently Amended) A computer-readable medium incorporating a computer executable program product for image processing, the program comprising

a sequence of instructions ~~on a computer-readable medium~~ that execute the following steps:

receiving image data ~~based on~~ that includes multiple document images of various sizes;

detecting a maximum size of said document images;

calculating a scaling factor that causes the detected maximum size to match with ~~[[the]]~~ size of a print area; and

scaling up or down the sizes of all of the multiple document images of said individual print job by the calculated scaling factor.

Claims 12-16. (Canceled)

17. (New) An image forming apparatus, comprising:

a document feeder that sequentially feeds a plurality of documents set on the document feeder, the plurality of documents having different sizes;

an image reader that reads images of the plurality of documents fed by the document feeder and thus generates image data of the images;

a detector that detects a maximum size of the plurality of documents;

a selector that selects a paper size that is equal to or larger than the detected maximum size; and

an image forming unit that forms images on the basis of the image data on papers of the selected paper size.

18. (New) The image forming apparatus of claim 17, wherein the detector detects the maximum document size by searching document sizes of the plurality of documents.

19. (New) The image forming apparatus of claim 17, wherein the detector comprises a sensor provided in the document feeder.

20. (New) The image forming apparatus of claim 17, wherein the detector is capable of sensing the maximum document size before all of the images of the documents are read by the image reader.

21. (New) An image forming apparatus, comprising:

- a document feeder that sequentially feeds a plurality of documents set on the document feeder, the plurality of documents having different sizes;
- an image reader that reads images of the plurality of documents fed by the document feeder, and thus generates image data of the images;
- a detector that detects a maximum size of the plurality of documents;
- a calculator that calculates a magnification ratio on the basis of both of the maximum document size and a paper size of papers on which the images of the plurality of documents are to be reproduced, respectively;
- an image processor which processes the image data of each of the images based on the magnification ratio calculated by the calculator; and
- an image forming unit that forms magnified images, on the basis of the processed image data, on the papers of the size.

22. (New) The image forming apparatus of claim 21, wherein the detector detects the maximum document size by searching document sizes of the plurality of documents.

23. (New) The image forming apparatus of claim 21, wherein the detector comprises a sensor provided in the document feeder.

24. (New) The image forming apparatus of claim 21, wherein the detector is capable of sensing the maximum document size before all of the images of the documents are read by the image reader.